



South Coast Air Quality Management District



21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

September 3, 2013

Mr. Charles Plant
Manager of Operations
Tidelands Oil Production Co.
111 W. Ocean Blvd., Ste. 800
Long Beach, CA 90802

Dear Mr. Plant:

Subject: Tidelands Oil Production Co. (ID 800325) – RECLAIM/Title V Permit Revision

Please find attached the revised Title Page, Table of Contents, and Section D of your RECLAIM/Title V Facility Permit. The revised sections reflect the approval of the permit revision requested in your Application No. 534404. The proposed permit revision was submitted to EPA for 45-day review on July 10, 2013. This permit revision includes the following action/s :

Appl. No.	Device Nos.	Section No.	Proposed action
534399	D170, D171, D172, C173	D	Update model numbers and dimensions.
534401	D135 & D139	D	Delete; converted to free water knock-out pots.
	D188 & D189		<i>Add new free water knock-out pots.</i>
534402	D43 & D44	D	Delete; equipment removed
	D185 & D190		Update dimensions on D185; <i>add new floatation unit.</i>

Please review the attached sections carefully and insert them into your RECLAIM/Title V Facility Permit. The earlier versions should be discarded. Questions concerning changes to your permit should be directed to Ms. Maria Vibal at (909) 396-2422.

Sincerely,

William C. Thompson, P.E.
Senior Manager
Operations Team
Engineering and Compliance

WCT:GLT:RGC:MV
Enclosures



FACILITY PERMIT TO OPERATE


**TIDELANDS OIL PRODUCTION CO
949 PIER G AVE
LONG BEACH, CA 90802**

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR A COPY THEREOF MUST BE KEPT AT THE LOCATION FOR WHICH IT IS ISSUED.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT SHALL NOT BE CONSTRUED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF ANY OTHER FEDERAL, STATE OR LOCAL GOVERNMENTAL AGENCIES.

Barry R. Wallerstein, D. Env.
EXECUTIVE OFFICER

By 
Mohsen Nazemi, P.E.
Deputy Executive Officer
Engineering & Compliance



South Coast Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4178



FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

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G	Recordkeeping and Reporting Requirements for RECLAIM Sources	10	06/01/2008
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FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: CRUDE OIL/GAS PRODUCTION					
System 1: PROCESS HEATERS					
HEATER, #2, HYDROCARBON PRESSURE VESSEL, PRODUCED GAS, VENTED TO VAPOR RECOVERY SYSTEM, 1.98 MMBTU/HR A/N: 534401	D136		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; H2S: 10 PPMV PRODUCED GAS (5) [RULE 219, 6-1-2007]; NOX: 130 LBS/MMSCF PRODUCED GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	E57.1, H23.7
HEATER, #3, HYDROCARBON PRESSURE VESSEL, PRODUCED GAS, VENTED TO VAPOR RECOVERY SYSTEM, 1.98 MMBTU/HR A/N: 534401	D138		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; H2S: 10 PPMV PRODUCED GAS (5) [RULE 219, 6-1-2007]; NOX: 130 LBS/MMSCF PRODUCED GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	E57.1, H23.7
System 2: CRUDE OIL/GAS/WATER SEPARATION					
DRUM, KNOCKOUT, VENTED TO VAPOR RECOVERY SYSTEM, LENGTH: 30 FT ; DIAMETER: 10 FT A/N: 534401	D45				E57.1
DRUM, KNOCKOUT, VENTED TO VAPOR RECOVERY SYSTEM, LENGTH: 30 FT ; DIAMETER: 10 FT A/N: 534401	D46				E57.1
DRUM, KNOCKOUT, VENTED TO VAPOR RECOVERY SYSTEM, LENGTH: 30 FT ; DIAMETER: 10 FT A/N: 534401	D47				E57.1

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: CRUDE OIL/GAS PRODUCTION					
DRUM, KNOCKOUT, VENTED TO VAPOR RECOVERY SYSTEM, LENGTH: 30 FT ; DIAMETER: 10 FT A/N: 534401	D132				E57.1
DRUM, KNOCKOUT, VENTED TO VAPOR RECOVERY SYSTEM, LENGTH: 30 FT ; DIAMETER: 10 FT A/N: 534401	D133				E57.1
DRUM, KNOCKOUT, VENTED TO VAPOR RECOVERY SYSTEM, LENGTH: 50 FT ; DIAMETER: 10 FT A/N: 534401	D134				E57.1
DRUM, KNOCKOUT, VENTED TO VAPOR RECOVERY SYSTEM, LENGTH: 50 FT ; DIAMETER: 10 FT A/N: 534401	D188				E57.1
DRUM, KNOCKOUT, VENTED TO VAPOR RECOVERY SYSTEM, LENGTH: 50 FT ; DIAMETER: 10 FT A/N: 534401	D189				E57.1
DRUM, FLOW SPLITTER, LENGTH: 50 FT ; DIAMETER: 10 FT A/N: 534401	D140				
TANK, NO. 901, OIL/WATER PROCESSING, VENTED TO VAPOR RECOVERY SYSTEM, 2000 BBL; DIAMETER: 30 FT ; HEIGHT: 16 FT A/N: 534401	D59				E57.1, E127.1, H23.4
TANK, NO. 902, OIL/WATER PROCESSING, VENTED TO VAPOR RECOVERY SYSTEM, 2000 BBL; DIAMETER: 30 FT ; HEIGHT: 16 FT A/N: 534401	D60				E57.1, E127.1, H23.4

* (1) (1A) (1B) Denotes RECLAIM emission factor

(3) Denotes RECLAIM concentration limit

(5) (5A) (5B) Denotes command and control emission limit

(7) Denotes NSR applicability limit

(9) See App B for Emission Limits

(2) (2A) (2B) Denotes RECLAIM emission rate

(4) Denotes BACT emission limit

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(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)

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FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: CRUDE OIL/GAS PRODUCTION					
TANK, NO. 906, OIL/WATER PROCESSING, VENTED TO VAPOR RECOVERY SYSTEM, 2000 BBL; DIAMETER: 30 FT ; HEIGHT: 16 FT A/N: 534401	D64				E57.1, E127.1, H23.4
TANK, NO. 907, OIL/WATER PROCESSING, VENTED TO VAPOR RECOVERY SYSTEM, 2000 BBL; DIAMETER: 30 FT ; HEIGHT: 16 FT A/N: 534401	D65				E57.1, E127.1, H23.4
TANK, NO. 908, OIL/WATER PROCESSING, VENTED TO VAPOR RECOVERY SYSTEM, 2000 BBL; DIAMETER: 30 FT ; HEIGHT: 16 FT A/N: 534401	D66				E57.1, E127.1, H23.4
TANK, WASH, WASH TANK NO. 5, VENTED TO VAPOR RECOVERY SYSTEM, 3000 BBL; DIAMETER: 30 FT ; HEIGHT: 24 FT A/N: 534401	D68				E57.1, E127.1, H23.4
STORAGE TANK, FIXED ROOF, POWER OIL TANK NO. 1, POWER OIL, VENTED TO VAPOR RECOVERY SYSTEM, 3000 BBL; DIAMETER: 30 FT ; HEIGHT: 24 FT A/N: 534401	D38				E57.1, E127.1, H23.4
STORAGE TANK, FIXED ROOF, POWER OIL TANK NO. 2, POWER OIL, VENTED TO VAPOR RECOVERY SYSTEM, 3000 BBL; DIAMETER: 30 FT ; HEIGHT: 24 FT A/N: 534401	D39				E57.1, E127.1, H23.4

- * (1) (1A) (1B) Denotes RECLAIM emission factor
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(7) Denotes NSR applicability limit
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- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
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FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

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Process 1: CRUDE OIL/GAS PRODUCTION					
STORAGE TANK, FIXED ROOF, POWER OIL NO. 3, POWER OIL, VENTED TO VAPOR RECOVERY SYSTEM, 3000 BBL; DIAMETER: 30 FT ; HEIGHT: 24 FT A/N: 534401	D69				E57.1, E127.1, H23.4
SUMP, FOR EMERGENCY AND STORMWATER USE ONLY, WIDTH: 15 FT ; DEPTH: 8 FT ; LENGTH: 15 FT A/N: 534401	D51				H23.3
SUMP, FOR EMERGENCY AND STORMWATER USE ONLY, WIDTH: 15 FT ; DEPTH: 8 FT ; LENGTH: 15 FT A/N: 534401	D52				H23.3
SUMP, COVERED, VENTED TO VAPOR RECOVERY SYSTEM, WIDTH: 6 FT 10 IN; DEPTH: 7 FT 3 IN; LENGTH: 8 FT 9 IN A/N: 534401	D137				E57.1, H23.3
TANK, #922, DRAIN TANK, VENTED TO CARBON ADSORBER, 71 BBL; DIAMETER: 8 FT ; HEIGHT: 8 FT A/N: 534401	D183	C180			E57.2, E127.1, H23.8
System 3: WASTE WATER TREATMENT					
POT, CONDENSATE TRAP, IN HYDROCARBON GATHERING AND VAPOR RECOVERY SYSTEM, HEIGHT: 10 FT ; DIAMETER: 3 FT A/N: 534402	D35				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
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- (2) (2A) (2B) Denotes RECLAIM emission rate
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Process 1: CRUDE OIL/GAS PRODUCTION					
POT, CONDENSATE TRAP, IN HYDROCARBON GATHERING AND VAPOR RECOVERY SYSTEM, HEIGHT: 10 FT ; DIAMETER: 3 FT A/N: 534402	D36				
STORAGE TANK, FIXED ROOF, NORTH SKIM, WASTE WATER, VENTED TO VAPOR RECOVERY SYSTEM, 2000 BBL; DIAMETER: 30 FT ; HEIGHT: 16 FT A/N: 534402	D40				E57.1, E127.1, H23.1
STORAGE TANK, FIXED ROOF, SOUTH SKIM, WASTE WATER, VENTED TO VAPOR RECOVERY SYSTEM, 2000 BBL; DIAMETER: 30 FT ; HEIGHT: 16 FT A/N: 534402	D41				E57.1, E127.1, H23.1
STORAGE TANK, FIXED ROOF, FILTERED WATER, VENTED TO VAPOR RECOVERY SYSTEM, 3000 BBL; DIAMETER: 30 FT ; HEIGHT: 24 FT A/N: 534402	D42				E57.1, E127.1, H23.1
FLOATATION UNIT, INDUCED STATIC, VENTED TO VAPOR RECOVERY, 800 BBL; DIAMETER: 10 FT 6 IN; LENGTH: 49 FT A/N: 534402	D185				E57.1, E127.1, H23.1
FLOATATION UNIT, INDUCED STATIC, VENTED TO VAPOR RECOVERY, 800 BBL; DIAMETER: 10 FT 6 IN; LENGTH: 49 FT A/N: 534402	D190				E57.1, E127.1, H23.1

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The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: CRUDE OIL/GAS PRODUCTION					
STORAGE TANK, EMERGENCY WATER, VENTED TO VAPOR RECOVERY SYSTEM, 6667 BBL; DIAMETER: 55 FT ; HEIGHT: 16 FT A/N: 534402	D130				E57.1, E127.1, H23.1
TANK, #939, FLOAT CELL SKIM TANK, VENTED TO VAPOR RECOVERY, HEIGHT: 6 FT ; DIAMETER: 6 FT A/N: 534402	D182				E57.1, E127.1, H23.1
Process 2: VAPOR RECOVERY/FUEL GAS TREATMENT					
SCRUBBER, GAS, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 15 FT ; DIAMETER: 4 FT 6 IN A/N: 490362	D148				
SCRUBBER, GAS, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 10 FT ; DIAMETER: 2 FT 6 IN A/N: 490362	D149				
SCRUBBER, GAS, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 11 FT ; DIAMETER: 2 FT 6 IN A/N: 490362	D150				
SCRUBBER, GAS, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 12 FT ; DIAMETER: 2 FT 6 IN A/N: 490362	D151				

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: VAPOR RECOVERY/FUEL GAS TREATMENT					
SCRUBBER, GAS, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 12 FT ; DIAMETER: 2 FT 6 IN A/N: 490362	D152				
SCRUBBER, GAS, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 8 FT ; DIAMETER: 3 FT A/N: 490362	D153				
SCRUBBER, GAS, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 7 FT ; DIAMETER: 3 FT A/N: 490362	D154				
VESSEL, SULFATREAT, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 27 FT ; DIAMETER: 7 FT A/N: 490362	D155				
VESSEL, SULFATREAT, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 27 FT ; DIAMETER: 7 FT A/N: 490362	D156				
VESSEL, FREE WATER KNOCKOUT, GAS DEHYDRATION, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 8 FT ; DIAMETER: 4 FT A/N: 490362	D157				
VESSEL, COOLANT, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 6 FT 6 IN; DIAMETER: 3 FT A/N: 490362	D158				

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(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
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(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: VAPOR RECOVERY/FUEL GAS TREATMENT					
SCRUBBER, SUCTION, GAS, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 6 FT ; DIAMETER: 1 FT A/N: 490362	D159				
SCRUBBER, DISCHARGE, GAS, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 7 FT ; DIAMETER: 2 FT A/N: 490362	D160				
GAS SEPARATOR, V10, HEIGHT: 7 FT 6 IN; DIAMETER: 1 FT 2 IN A/N: 490362	D174				
ABSORBER, V-21, CO2, HEIGHT: 7 FT 4 IN; DIAMETER: 3 FT 7 IN A/N: 490362	D175				
ABSORBER, V-22, CO2, HEIGHT: 7 FT 4 IN; DIAMETER: 3 FT 7 IN A/N: 490362	D176				
ABSORBER, V-23, CO2, HEIGHT: 7 FT 4 IN; DIAMETER: 3 FT 7 IN WITH A/N: 490362 COMPRESSOR, 125 HP ELECTRIC VACUUM COMPRESSOR	D177				
KNOCKOUT BOX, V-20, HEIGHT: 5 FT 6 IN; DIAMETER: 1 FT 4 IN A/N: 490362	D178				
Process 3: PETROLEUM STORAGE					

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(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3: PETROLEUM STORAGE					
STORAGE TANK, FIXED ROOF, WEST SLOP, CRUDE OIL, VENTED TO CARBON ADSORBER, 2200 BBL; DIAMETER: 33 FT ; HEIGHT: 18 FT A/N: 487168	D27	C180			E57.2, E127.1, H23.4
STORAGE TANK, FIXED ROOF, EAST SLOP, CRUDE OIL, VENTED TO CARBON ADSORBER, 2000 BBL; DIAMETER: 30 FT ; HEIGHT: 16 FT A/N: 487169	D28	C180			E57.2, E127.1, H23.4
CARBON ADSORBER, PRIMARY, 1000 LBS A/N: 487165	C180	D27 D28 C181 D183			D12.3, D90.1, E153.1, E193.1, K67.3
CARBON ADSORBER, SECONDARY, 1000 LBS A/N: 487165	C181	C180			D90.1, E153.2, E193.1, K67.3
STORAGE TANK, FIXED ROOF, CRUDE OIL & GROUNDWATER HOLDING/STORAGE, 2500 GALS; DIAMETER: 7 FT 1.92 IN; HEIGHT: 8 FT 3.48 IN A/N: 518993	D187				
Process 4: FUGITIVE EMISSIONS					
FUGITIVE EMISSIONS, COMPRESSORS, IN HYDROCARBON GATHERING AND VAPOR RECOVERY SERVICE A/N: 490362	D70				H23.5
FUGITIVE EMISSIONS, VALVES A/N: INACTIVE	D71				H23.5
FUGITIVE EMISSIONS, PRV A/N: 225230	D72				H23.5

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Process 4: FUGITIVE EMISSIONS					
FUGITIVE EMISSIONS, PUMPS, IN NON-RULE 466 SERVICE A/N: 534401	D163				H23.5
FUGITIVE EMISSIONS, FLANGES A/N: 534401	D164				H23.5
FUGITIVE EMISSIONS, DRAINS A/N: 534401	D165				H23.3
Process 5: GAS ODORIZATION					
VESEL, ODORANT STORAGE, NJEX, MODEL 6300G, 20 GALS, LENGTH: 2 FT 8 IN; DIAMETER: 1 FT A/N: 534399	D170	C173			E175.1, E179.1, E179.2, K67.2
VESEL, EXPANSION TANK, NJEX, MODEL 6300G, 4.3 GALS, LENGTH: 1 FT 2 IN; DIAMETER: 10 IN A/N: 534399	D171	C173			E175.1, E179.1, E179.2
ODORANT DISPENSING EQUIPMENT, ELECTRIC PUMP, NJEX, MODEL 6000, WITH CONTROLLER, MODEL N300 A/N: 534399	D172	C173			E175.1, E179.1, E179.2
CARBON FILTER, MODEL C4-0024 A/N: 534399	C173	D170 D171 D172			E179.1, E179.2, E224.1, E224.2, K48.2, K67.2
Process 6: R-219 EXEMPT EQUIPMENT SUBJECT TO SOURCE SPECIFIC RULES					
RULE 219 EXEMPT EQUIPMENT, EQUIPMENT AND TOOL SOLVENT CLEANING, EXEMPT HAND WIPING OPERATIONS	E166			VOC: (9) [RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]	

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(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 6: R-219 EXEMPT EQUIPMENT SUBJECT TO SOURCE SPECIFIC RULES					
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E167			VOC: (9) [RULE 1113, 11-8-1996; RULE 1113, 6-3-2011; RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]	K67.1
RULE 219 EXEMPT EQUIPMENT, WELL HEADS AND PUMPS, OIL AND GAS	E169				H23.6
Process 7: EXTERNAL COMBUSTION					
FLARE, GROUND FLARE, EMERGENCY, PRODUCED GAS, ZEECO INC., HEIGHT: 40 FT ; DIAMETER: 8 FT 6 IN; 58 MMBTU/HR A/N: 327491	C168			CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 85 PPMV PRODUCED GAS (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	C8.1, D12.2

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

SECTION D: DEVICE ID INDEX

**The following sub-section provides an index
to the devices that make up the facility
description sorted by device ID.**



**FACILITY PERMIT TO OPERATE
TIDELANDS OIL PRODUCTION CO**

SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
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D28	9	3	0
D35	4	1	3
D36	5	1	3
D38	3	1	2
D39	3	1	2
D40	5	1	3
D41	5	1	3
D42	5	1	3
D45	1	1	2
D46	1	1	2
D47	1	1	2
D51	4	1	2
D52	4	1	2
D59	2	1	2
D60	2	1	2
D64	3	1	2
D65	3	1	2
D66	3	1	2
D68	3	1	2
D69	4	1	2
D70	9	4	0
D71	9	4	0
D72	9	4	0
D130	6	1	3
D132	2	1	2
D133	2	1	2
D134	2	1	2
D136	1	1	1
D137	4	1	2
D138	1	1	1
D140	2	1	2
D148	6	2	0
D149	6	2	0
D150	6	2	0



FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
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D152	7	2	0
D153	7	2	0
D154	7	2	0
D155	7	2	0
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D157	7	2	0
D158	7	2	0
D159	8	2	0
D160	8	2	0
D163	10	4	0
D164	10	4	0
D165	10	4	0
E166	10	6	0
E167	11	6	0
C168	11	7	0
E169	11	6	0
D170	10	5	0
D171	10	5	0
D172	10	5	0
C173	10	5	0
D174	8	2	0
D175	8	2	0
D176	8	2	0
D177	8	2	0
D178	8	2	0
C180	9	3	0
C181	9	3	0
D182	6	1	3
D183	4	1	2
D185	5	1	3
D187	9	3	0
D188	2	1	2
D189	2	1	2
D190	5	1	3



FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

FACILITY CONDITIONS

F1.2 The operator shall limit the operation to no more than 5 lb(s) in any one day.

For the purpose of this condition, compliance shall be defined as keeping facility emissions below 5 lbs/day total sulfur compounds using the following procedure: (a) Collecting fuel gas samples monthly at sampling locations that are representative of the fuel that is burned in each combustion device at the facility and have these samples analysed using District Method 307-91 to measure total sulfur compounds; (b) Measuring the total quantity of fuel that is burned at the facility each day; and (c) the procedure designated in condition F1.3.

The operator shall maintain records in a manner approved by the District to demonstrate compliance with this condition.

[RULE 431.1, 6-12-1998]

F1.3 The operator shall limit the operation to no more than 5 lb(s) in any one day.

For the purpose of this condition, compliance shall be defined as keeping facility emissions below 5 lbs/day total sulfur compounds using the procedure under condition F1.2. including that within 14 calendar days after the end of each month, the operator shall calculate the emissions of sulfur compounds, as H₂S, for each day in the previous calendar month by multiplying the highest concentration, in ppmv, measured in condition F1.2(a), by the amount of fuel burned each day per condition F1.2(b), in standard cubic feet, and by a conversion factor of 8.971E-8.

The operator shall maintain records in a manner approved by the District to demonstrate compliance with this condition.

[RULE 431.1, 6-12-1998]



FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

F2.1 The operator shall limit emissions from this facility as follows:

CONTAMINANT	EMISSIONS LIMIT
Sulfur compounds	Less than 5 LBS PER DAY

[RULE 431.1, 6-12-1998]

F9.1 Except for open abrasive blasting operations, the operator shall not discharge into the atmosphere from any single source of emissions whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:

(a) As dark or darker in shade as that designated No.1 on the Ringelmann Chart, as published by the United States Bureau of Mines; or

(b) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subparagraph (a) of this condition.

[RULE 401, 3-2-1984; RULE 401, 11-9-2001]

DEVICE CONDITIONS

C. Throughput or Operating Parameter Limits

C8.1 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 1400 Deg F.



FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

The operator shall also install and maintain a device to continuously record the parameter being measured.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature at the flare stack located at least 6 seconds downstream of the burner and not less than five feet from the top of the stack.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : C168]

D. Monitoring/Testing Requirements

D12.2 The operator shall install and maintain a(n) non-resettable totalizing fuel meter to accurately indicate the fuel usage at the flare.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : C168]

D12.3 The operator shall install and maintain a(n) flow meter to accurately indicate the flow rate at the inlet to the primary activated carbon filter.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : C180]

D90.1 The operator shall periodically analyze the VOC concentration at the inlet of the primary carbon adsorber, and the inlet and outlet of the secondary carbon adsorber according to the following specifications:



FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

The operator shall use a District approved Organic Vapor Analyzer (OVA) to analyze the parameter.

The operator shall calibrate the instrument used to analyze the parameter in ppmv methane.

The operator shall analyze once every week.

[**RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002**]

[Devices subject to this condition : C180, C181]

E. Equipment Operation/Construction Requirements

E57.1 The operator shall vent this equipment to a vapor recovery/balance system which is in full use whenever it is in operation.

[**RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002**]

[Devices subject to this condition : D38, D39, D40, D41, D42, D45, D46, D47, D59, D60, D64, D65, D66, D68, D69, D130, D132, D133, D134, D136, D137, D138, D182, D185, D188, D189, D190]

E57.2 The operator shall vent this equipment to the activated carbon adsorber system whenever it is in operation.

The activated carbon adsorber system shall consist of a primary adsorber (C180) and a secondary adsorber (C181) connecting to each other in series.

[**RULE 1148.1, 3-5-2004; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 463, 5-6-2005**]



FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition : D27, D28, D183]

E127.1 The operator shall keep gauge/sample hatches closed except during actual gauging/sampling operations.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 463, 5-6-2005]

[Devices subject to this condition : D27, D28, D38, D39, D40, D41, D42, D59, D60, D64, D65, D66, D68, D69, D130, D182, D183, D185, D190]

E153.1 The operator shall change over the carbon in the adsorber whenever breakthrough occurs.

For the purpose of this condition, breakthrough occurs when the hydrocarbon monitor reading indicates a concentration of 150 ppmv at the outlet of primary carbon adsorber.

[RULE 1148.1, 3-5-2004; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 463, 5-6-2005]

[Devices subject to this condition : C180]

E153.2 The operator shall change over the carbon in the adsorber whenever breakthrough occurs.

For the purpose of this condition, breakthrough occurs when the hydrocarbon monitor reading indicates a concentration of 30 ppmv at the outlet of the secondary carbon adsorber.

[RULE 1148.1, 3-5-2004; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 463, 5-6-2005]



FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition : C181]

E175.1 The operator shall not use this equipment unless all exhaust air passes through the following:

Activated carbon filter which is in proper operating conditions

[RULE 402, 5-7-1976]

[Devices subject to this condition : D170, D171, D172]

E179.1 For the purpose of the following condition number(s), exhaust air shall be defined as the gases displaced during all phases of odorant transfer.

Condition Number 175-1

[RULE 402, 5-7-1976]

[Devices subject to this condition : D170, D171, D172, C173]

E179.2 For the purpose of the following condition number(s), exhaust air shall be defined as the gases displaced during depressurizing of any equipment.

Condition Number 175-1

[RULE 402, 5-7-1976]

[Devices subject to this condition : D170, D171, D172, C173]

E193.1 The operator shall operate and maintain this equipment according to the following requirements:



FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

The activated carbon used in the adsorber shall have a carbon tetrachloride number (CTC) of not less than 60% as measured by ASTM Method D3467.

[RULE 1148.1, 3-5-2004; **RULE 1303(a)(1)-BACT, 5-10-1996**; RULE 1303(a)(1)-BACT, 12-6-2002; **RULE 463, 5-6-2005**]

[Devices subject to this condition : C180, C181]

- E224.1 The operator shall replace the adsorbent in the carbon filter with at least 18 pounds of fresh activated carbon when the operator smells odorant from the carbon filter. Odorant filling shall cease whenever the operator smells odorant from the carbon filter.

[RULE 402, 5-7-1976]

[Devices subject to this condition : C173]

- E224.2 The operator shall replace the adsorbent when a given batch of activated carbon vents 5 consecutive odorant tank refills. The adsorbent shall be replaced with at least 18 pounds of fresh activated carbon before the next odorant tank refill takes place.

[RULE 402, 5-7-1976]

[Devices subject to this condition : C173]

H. Applicable Rules

- H23.1 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1176



FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

VOC	District Rule	464
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[RULE 1176, 9-13-1996; RULE 464, 12-7-1990]

[Devices subject to this condition : D40, D41, D42, D130, D182, D185, D190]

H23.3 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1176

[RULE 1176, 9-13-1996]

[Devices subject to this condition : D51, D52, D137, D165]

H23.4 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	463
VOC	District Rule	1149

[RULE 1149, 7-14-1995; RULE 1149, 5-2-2008; RULE 463, 5-6-2005]

[Devices subject to this condition : D27, D28, D38, D39, D59, D60, D64, D65, D66, D68, D69]

H23.5 This equipment is subject to the applicable requirements of the following rules or regulations:



FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1173

[RULE 1173, 5-13-1994; RULE 1173, 2-6-2009]

[Devices subject to this condition : D70, D71, D72, D163, D164]

H23.6 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
TOC	District Rule	1148.1

[RULE 1148.1, 3-5-2004]

[Devices subject to this condition : E169]

H23.7 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
CO	District Rule	1146.2

[RULE 1146.2, 5-5-2006]

[Devices subject to this condition : D136, D138]

H23.8 This equipment is subject to the applicable requirements of the following rules or regulations:



FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1148.1

[RULE 1148.1, 3-5-2004]

[Devices subject to this condition : D183]

K. Record Keeping/Reporting

K48.2 The operator shall maintain records in a manner approved by the District, to demonstrate compliance with the following condition number(s):

Condition Number E 224- 1

Condition Number E 224- 2

[RULE 402, 5-7-1976]

[Devices subject to this condition : C173]

K67.1 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):



FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

For architectural applications where no thinners, reducers, or other VOC containing materials are added, maintain semi-annual records for all coating consisting of (a) coating type, (b) VOC content as supplied in grams per liter (g/l) of materials for low-solids coatings, (c) VOC content as supplied in g/l of coating, less water and exempt solvent, for other coatings.

For architectural applications where thinners, reducers, or other VOC containing materials are added, maintain daily records for each coating consisting of (a) coating type, (b) VOC content as applied in grams per liter (g/l) of materials used for low-solids coatings, (c) VOC content as applied in g/l of coating, less water and exempt solvent, for other coatings.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : E167]

- K67.2 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):
- A) The odorant refill date,
 - B) The amount of odorant added to the tank,
 - C) The carbon filter replacement date, and
 - D) The amount of replacement fresh activated carbon

[RULE 402, 5-7-1976]

[Devices subject to this condition : D170, C173]

- K67.3 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):



FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

VOC concentrations at the inlet of the primary carbon adsorber

VOC concentrations at the inlet and outlet of the secondary carbon adsorber

Date when change over of carbon occurs

The records shall be kept on file for a minimum of five years. The records shall be made available to District personnel upon request.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 463, 5-6-2005]

[Devices subject to this condition : C180, C181]